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# DECLARATION POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Filing Date **03/10/01**  
 First Named Inventor **Supplemental Sheet**  
 Title **Method of Polarizing**

Name of Additional Joint Inventor, if any:

☐ A petition has been filed for this unsigned inventor

Given Name (first and middle, if any)

Attorney Designation Family Name or Surname

Jeannette

Garberry

Inventor's  
Signature

Date

Residence: City **Manchester**State **NH**Country **USA**Label here  
Citizenship **USA**Mailing Address **230 Circle Road, #4, Manchester, NH 03103**

Mailing Address

City

State

ZIP

Country

Name of Additional Joint Inventor, if any:

☐ A petition has been filed for this unsigned inventor

business Given Name (first and middle, if any) and Trademark Office contact Family Name or Surname

Please change the correspondence address for the above-identified application to:

☐ The above-mentioned Customer Number
Inventor's  
Signature

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State

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Name of Additional Joint Inventor, if any:

☐ A petition has been filed for this unsigned inventor

Given Name (first and middle, if any)

Family Name or Surname

☒ Applicant is inventor
Inventor's  
Signature

Date

Residence: City

State

Country

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Burden Hour Statement: This form is estimated to take 24 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments or on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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Attorney's Docket No. 9815-47779

First Named Inventor Hersman

PATENT

# 3

DECLARATION SUBMITTED AFTER INITIAL FILING

(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL, DIVISIONAL,  
CONTINUATION OR CIP)

I, a below named inventor, I hereby declare that:

TYPE OF DECLARATION

This declaration is of the following type: (check one applicable item below)

- ☒ original  
☐ design  
☐ supplemental

COPY OF PAPERS  
ORIGINALLY FILED

NOTE: If the declaration is for an International Application being filed as a divisional, continuation or continuation-in-part application, do not check next item; check appropriate one of last three items.

- ☐ national stage of PCT (under 35 U.S.C. §371)

NOTE: If one of the following 3 items apply, then complete and also attach ADDED PAGES FOR DIVISIONAL, CONTINUATION OR CIP.

- ☐ divisional  
☐ continuation  
☐ continuation-in-part (CIP)

INVENTORSHIP IDENTIFICATION

WARNING: If the inventors are each not the inventors of all the claims, an explanation of the facts, including the ownership of all the claims at the time the last claimed invention was made, should be submitted.

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Title of the Invention

Apparatus and Method For Polarizing Polarizable Nuclear Species

SPECIFICATION IDENTIFICATION

the specification of which: (complete (a), (b) or (c))

- (a) ☐ is attached hereto  
(b) ☒ was filed on 7/12/01 as Serial No. 09/904294 and was amended on                      (if applicable).

NOTE: Amendments filed after the original papers are deposited with the PTO which contain new matter are not accorded a filing date by being referred to in the declaration. Accordingly, the amendments involved are those filed with the application papers or, in the case of a supplemental declaration, are those amendments claiming matter not encompassed in the original statement of invention or claims. See 37 CFR 1.67.

- (c) ☐ was described and claimed in PCT International Application No. PCT/US01/22057 filed on 7/12/01 and as amended under PCT Article 19 on                      (if any).

# **ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR**

PTO/SB/21 (08-00)

Approved for use through 10/31/2002, OMB 3651-3031

Under the **hereby state that I have reviewed and understand the contents of the above identified specification,**

including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 Code of Federal Regulations § 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application

(to be used for all correspondence after initial filing)

Application Number 109/904,294

Filing Date 11/16/01

First Named Inventor E. William Hersman

Group Art Unit

## **PRIORITY CLAIM (35 U.S.C. § 119)**

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate or 365(a) of any PCT international application which designated at least one country other than the United States of America listed below and have also identified below, by checking the line, any foreign application for patent or inventor's certificate or any PCT international application having a filing date before that of the application on which priority is claimed

☒ Fee Attached

Drawing(s):

☐ (complete (d) or (e))  
☐ Licensing-related Papers

☐ Appeal Communication to Board of Appeals and Interferences

☐ Appeal Communication to Group

☐ Appeal Notice, Brief, Reply

☐ Proprietary Information

☐ Status Letter

☐ Other Enclosure(s) (please identify below)

☐ Declaration

☐ Copy of the 37 C.F.R. 1.55

☐ Notice

**NOTE:** Where item (c) is entered above and the International Application which designated the U.S. itself claimed priority check item (e), enter the details below and make the priority claim

☐ Express Abandonment Request

☐ Terminal Disclaimer

☐ Request for Refund

## **A. PRIOR FOREIGN/PCT APPLICATION(S) FILED WITHIN 12 MONTHS**

☐ Information Disclosed (6 MONTHS FOR DESIGN) PRIOR TO THIS APPLICATION

**AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. § 119**

☐ Certified Copy of Priority Documents

COUNTRY (OR INDICATE IF PCT)	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 37 USC 119
<input checked="" type="checkbox"/> USA	109/904,294	11/16/01	YES NO
			YES NO
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			YES NO
			YES NO
			YES NO
Signature	David A. Sullivan		YES NO

Date

Page 2 of 4

## **CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on the date: 11/16/01

Typed or printed name

Signature

Date

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PTO/SB/17 (11-01)

Approved for use through 10/31/2002. OMB 0651-0302  
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

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I hereby claim the benefit under 35 U.S.C. 119(c) of any United States provisional application(s) listed below:

**FEE TRANSMITTAL**  
**for FY 2002**  
Application Number and Filing Date of Provisional Applications for which benefit is claimed:

Patent fees are subject to annual revision.

☒ Application 60/217,569 Filed: July 12, 2000  
See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

(\$) 120.00

Application Number 09 904,294

Filing Date July 12, 2001

First Named Inventor F. William Hersman

Examiner Name

Group Art Unit

Attorney Docket No. 99815/47779

## METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☒ Deposit Account

Deposit Account

Number

Deposit

Account Name

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

to the above-identified deposit account.

## FEE CALCULATION

## SIGNATURE(S)

## 1. BASIC FILING FEE

NOTE: Carefully indicate the family (or last) name as it should appear on the filing receipt and all other documents.

Large Entity Code (\$)	Small Entity Code (\$)	Fee Description	Fee Paid
101 740	201 370	Utility filing fee	
100 330	200 165	Design filing fee	
107 510	207 255	Plant filing fee	
108 330	208 165	Reissue filing fee	
114 160	214 80	Provisional filing fee	

Inventor's signature: F. William Hersman

SUBTOTAL (1)

(\$)

## 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Date 7/12/01 Country of Citizenship United States of America

Total Claims 120\*\* = 120\*\* X 1.00 = 120.00

In Claims 120\*\* = 120\*\* X 1.00 = 120.00

Multiple Dependent 0 = 0.00

Post Office Address Same As Above

Large Entity Small Entity

Fee Fee Fee Fee

Code (\$): Code (\$): Fee Description

103 18 203 9 Claims in excess of 20

104 280 204 140 Multiple dependent claim - first of 2

109 34 209 40 Reissue independent claims

Mark over original patent

110 13 210 3 Reissue claims in excess of 20

(GIVEN NAME) (MIDDLE INITIAL OR NAME)

Inventor's signature

SUBTOTAL (2)

(\$)

\*\*or number previously paid, if greater. For Reissues, see above.

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

120.00

Date

Country of Citizenship United States of America

SUBMITTED BY

Name Print Type: 42 Lamprey St., Newmarket, NH 03857

Registration No.

Telephone 603-669-1000

Sign Post Office Address Same As Above

Page 3 of 4

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09/13/01 THU 10:50 FAX 603 862 0329

LNH PHYSICS

09/12/2001

11:54

DEVINE MILLIMET &amp; BRANCH → 9900#1#98620329H

NO.201

004

## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20503  
www.uspto.gov

APPLICATION NUMBER	FILING RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
--------------------	---------------------	-----------------------	------------------------

09/09/2001

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below:

26869

DEVINE, MILLIMET &amp; BRANCH, P.A.

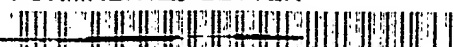
111 AMHERST ST. - Filed July 12, 2000

BOX 719

MANCHESTER, NH 03105

CONFIRMATION NO. 2066

FORMALITIES LETTER



\*0000030006491141\*

Date Mailed: 08:29 2001

## DECLARATION

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

An application number and filing date have been associated with this application. The item(s) indicated below, however, are missing. Applicant is given TWO MONTHS from the date of this Notice within which to file all required items and pay any fees required. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- Full name of sole or first inventor

The item(s) indicated below is/are missing.

A properly signed oath or declaration in compliance with 37 CFR 1.62, identifying the application by the application number and filing date, and signed by the inventor or attorney-in-fact.

- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of the Manual of Patent Examining Procedure must be submitted with the missing items identified in this letter.

- Date balance due by applicant: Country of Citizenship United States of America

Residence: 66 Burke Hill Rd., Durham, NH 03824

The applicant certifies that the information provided is true and correct to the best of their knowledge and belief.

Post Office Address Same As Above

The required item(s) identified below must be timely submitted to avoid abandonment.

- A substitute specification in compliance with 37 CFR 1.52 because

Full name of second joint inventor, if any

Line spacing on the specification, claims, or abstract is not 1 1/2 or double spaced

See 37 CFR 1.52

Mark

LAUNCHER

(GIVEN NAME)

(MIDDLE INITIAL OR NAME)

FAMILY (OR LAST NAME)

Inventor's signature

Date

Sept 13 2001

Country of Citizenship United States of America

Residence: 42 Lamprey St., Newmarket, NH 03857

Post Office Address Same As Above

Page 3 of 4

Customer Service Center

Patent Examination Division 7-3-308-2-2

## PARTIAL PATENT APPLICATION

**CHECK PROPER BOX(ES) FOR ANY OF THE FOLLOWING ADDED PAGE(S) WHICH  
FORM A PART OF THIS DECLARATION**

☒ Signature for third and subsequent joint inventors. Number of pages added 1.

\* \* \*

☐ Signature by administrator(trix), executor(trix) or legal representative for deceased or incapacitated inventor. Number of pages added \_\_\_\_\_.

\* \* \*

☐ Signature for inventor who refuses to sign or cannot be reached by person authorized under 37 CFR 1.47. Number of pages added \_\_\_\_\_.

\* \* \*

☐ Added page for signature by one joint inventor on behalf of deceased inventor(s) where legal representative cannot be appointed in time (37 CFR 1.47).

\* \* \*

☐ Added pages to combined declaration and power of attorney for divisional, continuation, or continuation-in-part (C-I-P) application.

☒ Number of pages added 1.

\* \* \*

☐ Authorization of attorney(s) to accept and follow instructions from representative.

\* \* \*

*(If no further pages form a part of this Declaration, then end this Declaration with  
this page and check the following item.)*

☐ This declaration ends with this page.